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Fax Transmission: **Date:** March 25, 2004

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Message: CASE: 10/030,233; Broberg et al.

CONTENTS: Draft language for Examiner's amendment (3 pages)

DRAFT only – for preparation of Examiner's Amendment – not for entry in case.

Serial No. 10/030233 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	BROBERG et al.	Examiner:	Cornelius H. Jackson
Serial No.:	10/030233	Group Art Unit:	2828
Filed:	January 5, 2002	Docket No.:	1010.8164UW
Title:	A METHOD AND ARRANGEMENT FOR CONTROLLING A TUNEABLE LASER		

Draft Language for Examiner's Amendment

IN THE CLAIMS

1-5 (canceled)

6. (previously presented) A method of controlling a tuneable laser having different laser sections, the laser having been characterized with respect to one or more laser operation points, each of the laser operation points corresponding to a set of different control conditions for the different laser sections, the method comprising:

determining respective voltages across the different laser sections when operating the tuneable laser; and

holding the determined respective voltages across the different laser sections at constant levels when operating the tuneable laser so as to maintain a desired laser operation point.

7. (previously presented) A method according to Claim 6, wherein holding the determined respective voltages comprises applying a set of predetermined constant voltages across respective laser sections of the tuneable laser from a voltage source.

8. (previously presented) A method according to Claim 7, further comprising measuring the voltages across the respective laser sections, and adjusting the voltage source to maintain the predetermined voltages across each respective laser section.

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9. (previously presented) A method according to Claim 8, wherein adjusting the voltage source comprises changing electrical currents applied to each laser section so as to maintain the predetermined voltages constant.

10. (currently amended) An arrangement for controlling a tuneable laser having different laser sections, the tuneable laser having been characterized with respect to at least one suitable laser operation point, the at least one laser operation point corresponding to a respective set of predetermined voltages applied respectively to the different laser sections, the controlling arrangement comprising:

the tuneable laser having different laser sections; [and]

a voltage unit coupled to the tuneable laser to apply different voltages to the different laser sections respectively, the voltage unit being adapted to hold the applied voltages at constant levels corresponding to the set of predetermined voltages associated with a desired laser operation point, so as to maintain operation of the tuneable laser at the desired laser operation point; and

a circuit to measure voltages across the different laser sections, the circuit being adapted to adjust the voltage source to maintain the predetermined voltages across each laser section.

11. (canceled)

12. (previously presented) An arrangement according to Claim 10, wherein the tuneable laser includes a Bragg reflector.

13. (previously presented) An arrangement according to Claim 12, wherein the tuneable laser is a distributed Bragg reflector (DBR) laser.

14. (previously presented) An arrangement according to Claim 12, wherein the tuneable laser is a grating coupled sampling reflector (GCSR) laser.

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REMARKS

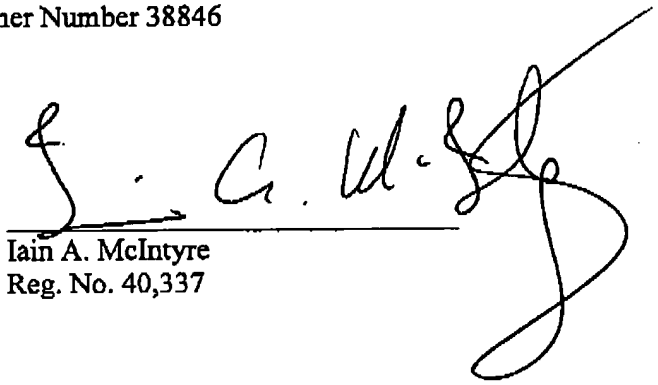
Applicants' representative thanks the Examiner for telephone interview of Marcy 25, 2004. In that interview, agreement was reached that the claims 6-9 were allowable and that claims 10, 12-14 would be allowable with the inclusion of the limitations of claim 11 in claim 10. The accompanying claim listing shows the proposed changes to claim 10 to include the limitations of claim 11 in claim 10, and the cancellation of claim 11. The Examiner is authorized to enter these changes by Examiner's amendment.

If a telephone conference would be helpful in resolving any issues concerning this communication, please contact the below-signed attorney at 612-436-9610.

Respectfully submitted,

CCVL P.A.
Customer Number 38846

Date: March 25, 2004

By: 
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